

Critical Hours Protection to WSM
Proposed WHAN, Victoria, VA
Exhibit 17
October 2005

Locations were chosen on the WSM 0.1 mV/m contour, and the distance and bearing to those locations were measured from the proposed WHAN transmitter location. These locations are shown on Exhibit 15 Figure 1. The permissible Critical hours radiation was determined based upon section 73.187 of the Commission's Rules and Regulations. The results of these calculations are shown below.

Point	Lat	Lon	Brg	Distance	Permissible	Max Radiated
1	38°-47'-03"	84-56'-20"	287°	626 km	729 mV/m	658 mV/m
2	37°-58'-54"	83°-41'-33"	279°	505 km	675 mV/m	664 mV/m
3	36°-35'-47"	83°-23'-00"	261°	484 km	654 mV/m	599 mV/m
4	35°-37'-12"	83°-25'-48"	250°	522 km	705 mV/m	604 mV/m
5	34°-48'-36"	83°-44'-22"	243°	589 km	750 mV/m	722 mV/m

The proposed radiation towards the WSM 0.1 mV/m contour is below the limit of the rules for the daytime pattern of the station. No separate Critical Hours operation is required.